

Physiology [Honours]

[CBCS]

B.Sc. Third Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-C7T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group A

- 1) **Answer any FIVE questions of the following:** **5x2= 10**
- a) Mention the location and function of peptic cell. 1+1
 - b) Briefly mention the different abnormal constituents of urine?
 - c) Why gastric mucosa is not effected by HCl?
 - d) What are bile salts?
 - e) Mention two endocrine hormones secreted from the kidney.
 - f) Write down the location and function of submandibular gland & parotid gland.
 - g) State the endocrine functions of stomach.
 - h) State the physiological importance of ultrafiltration.

(2)

Group B

- 2. Answer any FOUR questions of the following: 4x5 = 20**
- a) Write a short note on Renin-angiotensin-aldosterone system.
 - b) Write down the function of urinary bladder? Critically explain the process of micturition? 2+3
 - c) Describe the tubular function of proximal convoluted tubule and collecting duct. 2.5+2.5
 - d) Mention the location and functions of neural plexuses present in alimentary canal. 5
 - e) Describe the histological structure of stomach with suitable diagram. 5
 - f) What is gastric pit? Write the roles of ADH and ANF in the regulation of urine volume. 1+4

Group C

- 3. Answer any ONE question of the following: 1x10 = 10**
- a) Mention the peculiarities of renal circulation. Mention the role of kidney in acid-base regulation. 6+4
 - b) Write a short note on diabetes insipidus? Describe the nature of movements of alimentary canal. What is ampulla of Vater? 5+3+2